

What is claimed is:

[Claim 1] 1. An enclosure system comprising:

a frame assembly comprising:

a plurality of edge rails, each edge rail being interchangeable and having a first end and a second end;

a plurality of connectors, each connector being interchangeable and having a connector flange extending outwardly therefrom and constructed to engage respective ends of a plurality of the edge rails; and

a plurality of side panels constructed to be attached to the frame assembly, each side panel constructed to engage the connector flanges of a plurality of the connectors.

[Claim 2] 2. The enclosure system of claim 1 wherein each of the edge rails further comprises a rail flange extending therefrom and generally aligned with the connector flange when connected thereto.

[Claim 3] 3. The enclosure system of claim 2 further comprising a groove formed in the rail flange, the groove traversed by a side panel connected thereto.

[Claim 4] 4. The enclosure system of claim 1 wherein the edge rails are further defined as an outside edge rail and wherein the system further comprises a plurality of inside corner rails, each inside corner rail being interchangeable and connectable along a length of a corresponding outside edge rail while maintaining a space therebetween.

[Claim 5] 5. The enclosure system of claim 4 wherein the space forms a wire chase that runs along a length of each of the inside corner rails.

[Claim 6] 6. The enclosure system of claim 4 wherein the inside corner rail further comprises an inside corner rail flange extending therefrom having a first groove formed therein, the first groove constructed to be traversed by the corresponding outside edge rail connected thereto.

[Claim 7] 7. The enclosure system of claim 6 further comprising a second groove formed in the inside corner rail flange on a side of the inside corner rail flange generally opposite the first groove and constructed to be traversed by a cavity panel when the cavity panel is connected thereto.

[Claim 8] 8. The enclosure system of claim 6 further comprising an intermediate panel positioned between a side panel adjacent to a cavity panel.

[Claim 9] 9. The enclosure system of claim 1 further comprising a door assembly having a plurality of jam sections, each jam section engageable with at least one of a corresponding edge rail, an edge of a side panel, and an edge of a cavity panel.

[Claim 10] 10. The enclosure system of claim 9 wherein the door assembly further comprises a plurality of door edge channels interconnected by a plurality of door corner connector.

[Claim 11] 11. The enclosure system of claim 10 wherein the door corner connector further comprises a first tab engageable with a recess formed in one of the plurality of door edge channels and a second tab engageable with a recess formed in another of the plurality of door edge channels.

[Claim 12] 12. The enclosure system of claim 10 wherein the door assembly further comprises a door panel fixedly connected to the plurality of door edge channels, the door edge channel pivotably connected to at least one of the jam sections.

[Claim 13] 13. The enclosure system of claim 12 wherein the door assembly further comprises another door panel connected to the plurality of door edge channels and generally parallel to the door panel.

[Claim 14] 14. The enclosure system of claim 1 further comprising a window fixedly connected to at least one of the plurality of side panels.

[Claim 15] 15. The enclosure system of claim 1 further comprising a pedestal assembly having a plurality of side sections and a plurality of interchangeable corner connectors, the pedestal assembly constructed to be attached to at least one of a plurality of the edge rails of the frame assembly and a side panel.

[Claim 16] 16. The enclosure system of claim 1 further comprising an adapter constructed to be connected to a side panel about a corresponding opening formed therethrough.

[Claim 17] 17. The enclosure system of claim 1 wherein at least one of the edge rails, connectors, and side panels are formed by a pultrusion-type process.

[Claim 18] 18. A cabinet system comprising:
an edge component having a generally curved portion and a pair of generally planar portions wherein a shoulder is formed between the generally curved portion and each of the generally planar portions;
a corner component having a body and a plurality of generally curved sections extending therefrom, each generally curved section constructed to be snugly received by the edge component between the shoulders formed thereon; and
a plurality of side panels constructed to be received by the edge component on a side generally opposite the corner component and oriented to enclose a volume.

[Claim 19] 19. The cabinet system of claim 18 wherein the corner component further comprises a flange extending from the body between a pair of adjacent generally curved portions, the flange constructed to be flush with at least one of the generally planar portions of the edge component when the corner component is connected thereto.

[Claim 20] 20. The cabinet system of claim 18 wherein the plurality of generally curved sections of the corner component are generally perpendicular to each other.

[Claim 21] 21. The cabinet system of claim 18 wherein the corner component further comprises a shoulder formed between the body and each of the generally curved portions, the shoulder constructed to abut an end of a corresponding edge component connected thereto.

[Claim 22] 22. The cabinet system of claim 18 wherein the edge component is further defined as an outside edge component and the system further comprises an inside edge component having a generally curved middle portion and a pair of generally planar end portions wherein each generally planar end portion is constructed to engage a corresponding generally planar portion of the outside edge component.

[Claim 23] 23. The cabinet system of claim 22 further comprising a chase formed between the generally curved middle portion of the inside edge component and the generally curved portion of a corresponding outside edge component.

[Claim 24] 24. The cabinet system of claim 22 further comprising an interior panel attached to a corresponding end portion of the inside edge component and extending therebeyond on a side of the corresponding end portion generally opposite the generally planar portion of the outside edge component.

[Claim 25] 25. The cabinet system of claim 18 wherein at least one of the edge component, the corner component, and at least one of the plurality of side panels are formed by a protrusion-type process.

[Claim 26] 26. A method of forming an enclosure comprising:
connecting a plurality of interchangeable corners with a plurality of interchangeable frame rails to form an enclosure frame having a plurality of generally uniform panel mounting flanges; and
mounting an enclosure panel to each of the generally uniform panel mounting flanges thereby enclosing a volume.

[Claim 27] 27. The method of claim 26 wherein connecting each of the plurality of interchangeable corners with each of the plurality of interchangeable frame rails further comprises inserting a protrusion of a respective interchangeable corner into a recess formed in an end of a corresponding interchangeable rail connected thereto.

[Claim 28] 28. The method of claim 26 further comprising cutting each of the interchangeable frame rails to a user desired length.

[Claim 29] 29. The method of claim 26 further comprising gluing the enclosure panel to a respective generally uniform panel mounting flange.

[Claim 30] 30. The method of claim 26 further comprising attaching a door to a respective enclosure panel to provide access to the volume of the enclosure.

[Claim 31] 31. The method of claim 30 further comprising forming a seal between the door and the respective enclosure panel when the door is in a closed position.

[Claim 32] 32. The method of claim 26 further comprising attaching a bracket to at least one of the interchangeable frame rails inside the volume.

[Claim 33] 33. The method of claim 26 further comprising attaching an inside rail along a corresponding interchangeable frame rail inside the volume and maintaining a passage therebetween.

[Claim 34] 34. The method of claim 26 further comprising mounting another panel along a length of at least one of the interchangeable frame rails and generally parallel to a corresponding enclosure panel and maintaining another volume therebetween.

[Claim 35] 35. The method of claim 34 further comprising inserting an insulator into the another volume prior to mounting the another panel.

[Claim 36] 36. The method of claim 26 further comprising attaching at least one adapter to an enclosure panel to allow communication through the enclosure with the volume.

[Claim 37] 37. A modular container kit comprising:

- a plurality of corner connectors;

- a number of edge rails of a predetermined length, each of which are constructed to be severed to a user desired length, wherein each severed end is engageable with a corner connector to form a frame assembly; and

- at least one sheet of generally planar material that is constructed to be severable into a plurality of panels to engage the frame assembly and form the modular container.

[Claim 38] 38. The kit of claim 37 further comprising a door assembly having a plurality of door corner connectors and a number of door edge rails of a predetermined length constructed to be cut to a user desired length, wherein each cut end is engageable with a door corner connector to form a door frame assembly.

[Claim 39] 39. The kit of claim 38 further comprising a number of door jam sections of a predetermined length constructed to be cut to a user desired length and engageable with the frame assembly and constructed to receive the door frame assembly.